

CLAIMS:

1. A card connector device comprising:

a case having a card slit port capable of inserting therein a functional card having a terminal, and accommodating an internal connector for card holding the functional card to be inserted and comprising a terminal to be connected electrically with the terminal of the functional card;

an external connector provided protrusively on the case apart from the card slit port and connected electrically with the internal connector for card; and

a card stopper located as being capable of sliding between the card slit port of the case and the external connector, and comprising a first end at the card slit port side and a second end capable of protruding toward the external connector side; wherein the first end clutches the functional card when the card stopper moves to the card slit port side to suppress the functional card being pulled out of the card slit port, and the second end protrudes in the protrusively provided direction of the connector from the second edge when clutching of the functional card at the card slit port is released.

2. The card connector device as stated in Claim 1, wherein the second end of the card stopper is pushed by an external device and the first end of the card stopper protrudes toward the card slit port in the condition that the external connector is inserted into the connector receptacle of the external device with which the external connector is connected.

3. A card connector device comprising:

a case comprising at least a first edge having a card slit port for inserting therein a functional card and a second edge extending in a direction crossing the first edge and having a projecting connector port;

a circuit board located in the case and connected electrically with the functional card to be inserted into the card slit port;

a connector connected with the circuit board and a part thereof protruding from the projecting connector port toward the outside of the case; and a card stopper located adjacent to the projecting connector port on the first edge, being capable of sliding between the card slit port and the second edge, and having a first end on the card slit port side and a second end on the second edge side; wherein the first end clutches a side edge or a notch of the functional card when the card stopper moves to the card slit port side to suppress the functional card being pulled out of the card slit port, and the second end protrudes in the protrusively provided direction of the connector from the second edge when clutching of the functional card at the card slit port is released.

4. The card connector device as stated in Claim 3, wherein the second end of the card stopper is pushed by a PC body and the first end of the card stopper protrudes toward the card slit port in the condition that the connector is inserted into the connector receptacle of the PC body with which the connector is connected.

5. The card connector device as stated in Claim 3, wherein the first end of the stopper clutches the back side edge of the functional card inserted into the card slit port.

6. The card connector device as stated in Claim 3, wherein the functional card has a notch and the first end of the card stopper comprises an arm portion extending to and clutching the notch of the functional card.

7. The card connector device as stated in Claim 3, wherein the connector is directly fixed to the circuit board.

8. The card connector device as stated in Claim 3, wherein the stopper is held movable in the extending direction of the first edge by a rail formed on the first edge.

9. The card connector device as stated in Claim 8, wherein a click protrusion is provided on the rail to restrict movement of the stopper.

10. The card connector device as stated in Claim 3, wherein the case is formed by combining two divided cases, and a frame of first edge of each divided case has a rail and a rail groove to hold the stopper slidably along the rail and the rail groove.